STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/576,752_

Source: _/FWP_

Date Processed by STIC: _5/3/06_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
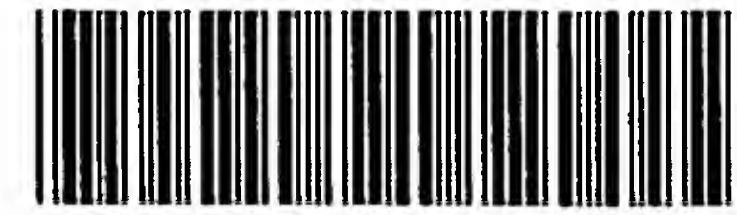**http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

IFWP

RAW SEQUENCE LISTING   DATE: 05/03/2006
PATENT APPLICATION: **US/10/576,752**   TIME: 11:23:04

Input Set : **E:\04-423-B sequence listing.txt**
Output Set: **N:\CRF4\05032006\J576752.raw**

```
   3 <110> APPLICANT: Sirna Therapeutics, Inc.
   4        James, McSwiggen
   5        Ivan, Roberts
   7 <120> TITLE OF INVENTION: RNA Interference Mediated Inhibition of GPRA and AAA1 Gene
   8        Expression Using Short Interfering Nucleic Acid (siNA)
  10 <130> FILE REFERENCE: 400/227 (MBHB04-423-B)
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/576,752
C--> 13 <141> CURRENT FILING DATE: 2006-04-21
  15 <150> PRIOR APPLICATION NUMBER: US 60/570,086
  16 <151> PRIOR FILING DATE: 2004-05-11
  18 <150> PRIOR APPLICATION NUMBER: PCT/US04/16390
  19 <151> PRIOR FILING DATE: 2004-05-24
  21 <150> PRIOR APPLICATION NUMBER: US 10/826,966
  22 <151> PRIOR FILING DATE: 2004-04-16
  24 <150> PRIOR APPLICATION NUMBER: PCT/US04/13456
  25 <151> PRIOR FILING DATE: 2004-04-30
  27 <150> PRIOR APPLICATION NUMBER: US 10/780,447
  28 <151> PRIOR FILING DATE: 2004-02-13
  30 <150> PRIOR APPLICATION NUMBER: US 60/292,217
  31 <151> PRIOR FILING DATE: 2001-05-18
  33 <150> PRIOR APPLICATION NUMBER: US 60/362,016
  34 <151> PRIOR FILING DATE: 2002-03-06
  36 <150> PRIOR APPLICATION NUMBER: US 60/363,883
  37 <151> PRIOR FILING DATE: 2001-07-20
  39 <150> PRIOR APPLICATION NUMBER: US 60/311,865
  40 <151> PRIOR FILING DATE: 2001-08-13
  42 <150> PRIOR APPLICATION NUMBER: US 10/727,780
  43 <151> PRIOR FILING DATE: 2003-12-03
  45 <150> PRIOR APPLICATION NUMBER: US 60/543,480
  46 <151> PRIOR FILING DATE: 2004-02-10
  48 <150> PRIOR APPLICATION NUMBER: US 10/757,803
  49 <151> PRIOR FILING DATE: 2004-01-15
  51 <150> PRIOR APPLICATION NUMBER: US 10/720,448
  52 <151> PRIOR FILING DATE: 2003-11-24
  54 <150> PRIOR APPLICATION NUMBER: US 10/693,059
  55 <151> PRIOR FILING DATE: 2003-10-23
  57 <150> PRIOR APPLICATION NUMBER: US 10/444,853
  58 <151> PRIOR FILING DATE: 2003-05-23
  60 <150> PRIOR APPLICATION NUMBER: US 10/427,160
  61 <151> PRIOR FILING DATE: 2003-04-30
  63 <150> PRIOR APPLICATION NUMBER: PCT/US03/05346
  64 <151> PRIOR FILING DATE: 2003-02-20
  66 <150> PRIOR APPLICATION NUMBER: PCT/US03/05028
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Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING   DATE: 05/03/2006
PATENT APPLICATION: US/10/576,752   TIME: 11:23:04

Input Set : E:\04-423-B sequence listing.txt
Output Set: N:\CRF4\05032006\J576752.raw

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     69 <150> PRIOR APPLICATION NUMBER: US 60/358,580
     70 <151> PRIOR FILING DATE: 2002-02-20
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     76 <151> PRIOR FILING DATE: 2002-06-06
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     79 <151> PRIOR FILING DATE: 2002-08-29
     81 <150> PRIOR APPLICATION NUMBER: US 60/408,378
     82 <151> PRIOR FILING DATE: 2002-09-05
     84 <150> PRIOR APPLICATION NUMBER: US 60/409,293
     85 <151> PRIOR FILING DATE: 2002-09-09
     87 <150> PRIOR APPLICATION NUMBER: US 60/440,129
     88 <151> PRIOR FILING DATE: 2003-01-15
     90 <150> PRIOR APPLICATION NUMBER: PCT/US02/15876
     91 <151> PRIOR FILING DATE: 2002-05-17
     93 <160> NUMBER OF SEQ ID NOS: 810
     95 <170> SOFTWARE: PatentIn version 3.3
     97 <210> SEQ ID NO: 1
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     99 <212> TYPE: RNA
    100 <213> ORGANISM: Artificial Sequence
    102 <220> FEATURE:
    103 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
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    106 gcucagggag ggcucugug                                          19
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    110 <211> LENGTH: 19
    111 <212> TYPE: RNA
    112 <213> ORGANISM: Artificial Sequence
    114 <220> FEATURE:
    115 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
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    118 gccuccguuc agcagagcu                                          19
    121 <210> SEQ ID NO: 3
    122 <211> LENGTH: 19
    123 <212> TYPE: RNA
    124 <213> ORGANISM: Artificial Sequence
    126 <220> FEATURE:
    127 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
    129 <400> SEQUENCE: 3
    130 ugcagcugcu gcccagcuc                                          19
    133 <210> SEQ ID NO: 4
    134 <211> LENGTH: 19
    135 <212> TYPE: RNA
    136 <213> ORGANISM: Artificial Sequence
    138 <220> FEATURE:
    139 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/576,752

DATE: 05/03/2006
TIME: 11:23:04

Input Set : **E:\04-423-B sequence listing.txt**
Output Set: **N:\CRF4\05032006\J576752.raw**

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141 <400> SEQUENCE: 4
142 cucaggaggc aagcuggac                                          19
145 <210> SEQ ID NO: 5
146 <211> LENGTH: 19
147 <212> TYPE: RNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
153 <400> SEQUENCE: 5
154 cucccucacu cagcugcag                                          19
157 <210> SEQ ID NO: 6
158 <211> LENGTH: 19
159 <212> TYPE: RNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
165 <400> SEQUENCE: 6
166 ggagcaagga cagugaggc                                          19
169 <210> SEQ ID NO: 7
170 <211> LENGTH: 19
171 <212> TYPE: RNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
177 <400> SEQUENCE: 7
178 cucaaccccg ccugagcca                                          19
181 <210> SEQ ID NO: 8
182 <211> LENGTH: 19
183 <212> TYPE: RNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
189 <400> SEQUENCE: 8
190 augccagcca acuucacag                                          19
193 <210> SEQ ID NO: 9
194 <211> LENGTH: 19
195 <212> TYPE: RNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
201 <400> SEQUENCE: 9
202 gagggcagcu ucgauucca                                          19
205 <210> SEQ ID NO: 10
206 <211> LENGTH: 19
207 <212> TYPE: RNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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sense region
213 <400> SEQUENCE: 10

RAW SEQUENCE LISTING   DATE: 05/03/2006
PATENT APPLICATION: US/10/576,752   TIME: 11:23:04

Input Set : E:\04-423-B sequence listing.txt
Output Set: N:\CRF4\05032006\J576752.raw

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     214 aguggggaccg ggcagacgc                                        19
     217 <210> SEQ ID NO: 11
     218 <211> LENGTH: 19
     219 <212> TYPE: RNA
     220 <213> ORGANISM: Artificial Sequence
     222 <220> FEATURE:
     223 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
     225 <400> SEQUENCE: 11
     226 cuggauucuu ccccagugg                                         19
     229 <210> SEQ ID NO: 12
     230 <211> LENGTH: 19
     231 <212> TYPE: RNA
     232 <213> ORGANISM: Artificial Sequence
     234 <220> FEATURE:
     235 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
     237 <400> SEQUENCE: 12
     238 gcuugcacug aaacaguga                                         19
     241 <210> SEQ ID NO: 13
     242 <211> LENGTH: 19
     243 <212> TYPE: RNA
     244 <213> ORGANISM: Artificial Sequence
     246 <220> FEATURE:
     247 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
     249 <400> SEQUENCE: 13
     250 acuuuuacug aaguggugg                                         19
     253 <210> SEQ ID NO: 14
     254 <211> LENGTH: 19
     255 <212> TYPE: RNA
     256 <213> ORGANISM: Artificial Sequence
     258 <220> FEATURE:
     259 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
     261 <400> SEQUENCE: 14
     262 gaaggaaagg aauggggguu                                        19
     265 <210> SEQ ID NO: 15
     266 <211> LENGTH: 19
     267 <212> TYPE: RNA
     268 <213> ORGANISM: Artificial Sequence
     270 <220> FEATURE:
     271 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
     273 <400> SEQUENCE: 15
     274 uccuucuacu acuccuuua                                         19
     277 <210> SEQ ID NO: 16
     278 <211> LENGTH: 19
     279 <212> TYPE: RNA
     280 <213> ORGANISM: Artificial Sequence
     282 <220> FEATURE:
     283 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
```

285 <400> SEQUENCE: 16
286 aagacugagc aauugauaa   19

```
289 <210> SEQ ID NO: 17
290 <211> LENGTH: 19
291 <212> TYPE: RNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
297 <400> SEQUENCE: 17
298 acucuguggg uccucuuug                                                    19
301 <210> SEQ ID NO: 18
302 <211> LENGTH: 19
303 <212> TYPE: RNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
309 <400> SEQUENCE: 18
310 guuuuuacca uuguuggaa                                                    19
313 <210> SEQ ID NO: 19
314 <211> LENGTH: 19
315 <212> TYPE: RNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
321 <400> SEQUENCE: 19
322 aacuccguug ugcuuuuuu                                                    19
325 <210> SEQ ID NO: 20
326 <211> LENGTH: 19
327 <212> TYPE: RNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
333 <400> SEQUENCE: 20
334 uccacaugga ggagaaaga                                                    19
337 <210> SEQ ID NO: 21
338 <211> LENGTH: 19
339 <212> TYPE: RNA
340 <213> ORGANISM: Artificial Sequence
342 <220> FEATURE:
343 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
345 <400> SEQUENCE: 21
346 aagaagucaa gaaugaccu                                                    19
349 <210> SEQ ID NO: 22
350 <211> LENGTH: 19
351 <212> TYPE: RNA
352 <213> ORGANISM: Artificial Sequence
354 <220> FEATURE:
355 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
357 <400> SEQUENCE: 22
```

358 uucuuuguga cucagcugg   19
361 <210> SEQ ID NO: 23

```
<210>  597
<211>  21
<212>  RNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  siNA sense region


<220>
<221>  misc_feature
<222>  (20)..(21)
<223>  n stands for thymidine

<400>  597
cuugcacuga aacagugacn n                                    21
```

t's not allowed in an RNA sequence, even if 21 represented by "n"

this error appears in subsequent sequences, too.

The above is a sample

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/03/2006
PATENT APPLICATION: US/10/576,752   TIME: 11:23:05

Input Set : E:\04-423-B sequence listing.txt
Output Set: N:\CRF4\05032006\J576752.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:597; N Pos. 20,21
Seq#:598; N Pos. 20,21
Seq#:599; N Pos. 20,21
Seq#:600; N Pos. 20,21
Seq#:601; N Pos. 20,21
Seq#:602; N Pos. 20,21
Seq#:603; N Pos. 20,21
Seq#:604; N Pos. 20,21
Seq#:605; N Pos. 20,21
Seq#:606; N Pos. 20,21
Seq#:607; N Pos. 20,21
Seq#:608; N Pos. 20,21
Seq#:609; N Pos. 20,21
Seq#:610; N Pos. 20,21
Seq#:611; N Pos. 20,21
Seq#:612; N Pos. 20,21
Seq#:613; N Pos. 20,21
Seq#:614; N Pos. 20,21
Seq#:615; N Pos. 20,21
Seq#:616; N Pos. 20,21
Seq#:617; N Pos. 20,21
Seq#:618; N Pos. 20,21
Seq#:619; N Pos. 20,21
Seq#:620; N Pos. 20,21
Seq#:621; N Pos. 20,21
Seq#:622; N Pos. 20,21
Seq#:623; N Pos. 20,21
Seq#:624; N Pos. 20,21
Seq#:625; N Pos. 20,21
Seq#:626; N Pos. 20,21
Seq#:627; N Pos. 20,21
Seq#:628; N Pos. 20,21
Seq#:629; N Pos. 20,21
Seq#:630; N Pos. 20,21
Seq#:631; N Pos. 20,21
Seq#:632; N Pos. 20,21
Seq#:633; N Pos. 20,21
Seq#:634; N Pos. 20,21
Seq#:635; N Pos. 20,21
Seq#:636; N Pos. 20,21
Seq#:637; N Pos. 20,21
Seq#:638; N Pos. 20,21
Seq#:639; N Pos. 20,21
Seq#:640; N Pos. 20,21

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/03/2006
PATENT APPLICATION: US/10/576,752   TIME: 11:23:05

Input Set : E:\04-423-B sequence listing.txt
Output Set: N:\CRF4\05032006\J576752.raw

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Seq#:641; N Pos. 20,21
Seq#:642; N Pos. 20,21
Seq#:643; N Pos. 20,21
Seq#:644; N Pos. 20,21
Seq#:645; N Pos. 20,21
Seq#:646; N Pos. 20,21
Seq#:647; N Pos. 20,21
Seq#:648; N Pos. 20,21
Seq#:649; N Pos. 20,21
Seq#:650; N Pos. 20,21
Seq#:651; N Pos. 20,21
Seq#:652; N Pos. 20,21
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Seq#:661; N Pos. 20,21
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Seq#:663; N Pos. 20,21
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Seq#:666; N Pos. 20,21
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Seq#:672; N Pos. 20,21
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Seq#:685; N Pos. 20,21
Seq#:686; N Pos. 20,21
Seq#:687; N Pos. 20,21
Seq#:688; N Pos. 20,21
Seq#:689; N Pos. 20,21
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12

Input Set : **E:\04-423-B sequence listing.txt**
Output Set: **N:\CRF4\05032006\J576752.raw**

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Seq#:690; N Pos. 20,21
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Seq#:692; N Pos. 20,21
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Seq#:696; N Pos. 20,21
Seq#:697; N Pos. 20,21
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Seq#:701; N Pos. 20,21
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Seq#:703; N Pos. 20,21
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Seq#:709; N Pos. 20,21
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Seq#:713; N Pos. 20,21
Seq#:714; N Pos. 20,21
Seq#:715; N Pos. 20,21
Seq#:716; N Pos. 20,21
Seq#:717; N Pos. 20,21
Seq#:718; N Pos. 20,21
Seq#:719; N Pos. 20,21
Seq#:720; N Pos. 20,21
Seq#:721; N Pos. 20,21
Seq#:722; N Pos. 20,21
Seq#:723; N Pos. 20,21
Seq#:724; N Pos. 20,21
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Seq#:726; N Pos. 20,21
Seq#:727; N Pos. 20,21
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Seq#:731; N Pos. 20,21
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Seq#:737; N Pos. 20,21
Seq#:738; N Pos. 20,21
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13

Input Set : **E:\04-423-B sequence listing.txt**
Output Set: **N:\CRF4\05032006\J576752.raw**

Seq#:739; N Pos. 20,21
Seq#:740; N Pos. 20,21
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Seq#:751; N Pos. 20,21
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Seq#:753; N Pos. 20,21
Seq#:754; N Pos. 20,21
Seq#:755; N Pos. 20,21
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Seq#:757; N Pos. 20,21
Seq#:758; N Pos. 20,21
Seq#:759; N Pos. 20,21
Seq#:760; N Pos. 20,21
Seq#:761; N Pos. 20,21
Seq#:762; N Pos. 20,21
Seq#:763; N Pos. 20,21
Seq#:764; N Pos. 20,21
Seq#:765; N Pos. 20,21
Seq#:766; N Pos. 20,21
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Seq#:769; N Pos. 20,21
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Seq#:771; N Pos. 20,21
Seq#:772; N Pos. 20,21
Seq#:773; N Pos. 20,21
Seq#:774; N Pos. 20,21
Seq#:775; N Pos. 20,21
Seq#:776; N Pos. 20,21
Seq#:777; N Pos. 20,21
Seq#:778; N Pos. 20,21
Seq#:779; N Pos. 20,21
Seq#:780; N Pos. 20,21
Seq#:781; N Pos. 20,21
Seq#:782; N Pos. 20,21
Seq#:783; N Pos. 20,21
Seq#:784; N Pos. 20,21
Seq#:785; N Pos. 20,21
Seq#:786; N Pos. 20,21
Seq#:787; N Pos. 20,21

14

Input Set : **E:\04-423-B sequence listing.txt**
Output Set: **N:\CRF4\05032006\J576752.raw**

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Seq#:789; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:790; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:791; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:792; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:793; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:794; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:795; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:796; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:797; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:798; N Pos. 20,21
Seq#:799; N Pos. 20,21
Seq#:800; N Pos. 20,21
Seq#:801; N Pos. 20,21
Seq#:802; N Pos. 20,21
Seq#:803; N Pos. 20,21
Seq#:804; N Pos. 20,21
Seq#:805; N Pos. 20,21
Seq#:806; N Pos. 20,21
Seq#:810; N Pos. 23,24

FYI

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:799; Line(s) 16417
Seq#:800; Line(s) 16495
Seq#:801; Line(s) 16572
Seq#:803; Line(s) 16679
Seq#:806; Line(s) 16885
Seq#:807; Line(s) 16908
Seq#:808; Line(s) 16920

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Input Set : **E:\04-423-B sequence listing.txt**
Output Set: **N:\CRF4\05032006\J576752.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:7264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:597 after pos.:0
L:7282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:598 after pos.:0
L:7300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:599 after pos.:0
L:7318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:600 after pos.:0
L:7336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:601 after pos.:0
L:7354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:602 after pos.:0
L:7372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:603 after pos.:0
L:7390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:604 after pos.:0
L:7408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:605 after pos.:0
L:7426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:606 after pos.:0
L:7444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:607 after pos.:0
L:7462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:608 after pos.:0
L:7480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:609 after pos.:0
L:7498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:610 after pos.:0
L:7516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:611 after pos.:0
L:7534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:612 after pos.:0
L:7592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:613 after pos.:0
L:7645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:614 after pos.:0
L:7693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:615 after pos.:0
L:7751 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:616 after pos.:0
L:7804 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:617 after pos.:0
L:7847 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:618 after pos.:0
L:7895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:619 after pos.:0
L:7938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:620 after pos.:0
L:7986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:621 after pos.:0
L:8034 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:622 after pos.:0
L:8077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:623 after pos.:0
L:8130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:624 after pos.:0
L:8178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:625 after pos.:0
L:8216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:626 after pos.:0
L:8259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:627 after pos.:0
L:8297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:628 after pos.:0
L:8380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:629 after pos.:0
L:8458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:630 after pos.:0
L:8526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:631 after pos.:0
L:8554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:632 after pos.:0
L:8632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:633 after pos.:0
L:8690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:634 after pos.:0
L:8758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:635 after pos.:0
L:8816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:636 after pos.:0
L:8894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:637 after pos.:0
L:8967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:638 after pos.:0
L:9030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:639 after pos.:0
L:9113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:640 after pos.:0
L:9186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:641 after pos.:0
L:9239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:642 after pos.:0

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Input Set : **E:\04-423-B sequence listing.txt**
Output Set: **N:\CRF4\05032006\J576752.raw**

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L:9302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:643 after pos.:0
L:9355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:644 after pos.:0
L:9438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:645 after pos.:0
L:9516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:646 after pos.:0
L:9584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:647 after pos.:0
L:9672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:648 after pos.:0
L:9750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:649 after pos.:0
L:9808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:650 after pos.:0
L:9876 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:651 after pos.:0
L:9934 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:652 after pos.:0
L:10012 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:653 after pos.:0
L:10085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:654 after pos.:0
L:10158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:655 after pos.:0
L:10241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:656 after pos.:0
L:10314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:657 after pos.:0
L:10367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:658 after pos.:0
L:10430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:659 after pos.:0
L:10483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:660 after pos.:0
L:10511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:661 after pos.:0
L:10539 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:662 after pos.:0
L:10567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:663 after pos.:0
L:10595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:664 after pos.:0
L:10623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:665 after pos.:0
L:10651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:666 after pos.:0
L:10679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:667 after pos.:0
L:10707 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:668 after pos.:0
L:10730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:669 after pos.:0
L:10753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:670 after pos.:0
L:10776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:671 after pos.:0
L:10799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:672 after pos.:0
L:10822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:673 after pos.:0
L:10845 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:674 after pos.:0
L:10868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:675 after pos.:0
L:10891 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:676 after pos.:0
L:10969 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:677 after pos.:0
L:11042 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:678 after pos.:0
L:11105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:679 after pos.:0
L:11153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:680 after pos.:0
L:11226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:681 after pos.:0
L:11279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:682 after pos.:0
L:11342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:683 after pos.:0
L:11390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:684 after pos.:0
L:11413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:685 after pos.:0
L:11436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:686 after pos.:0
L:11459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:687 after pos.:0
L:11482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:688 after pos.:0
L:11505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:689 after pos.:0
L:11528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:690 after pos.:0
L:11551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:691 after pos.:0
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L:11574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:692 after pos.:0
L:11592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:693 after pos.:0
L:11610 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:694 after pos.:0
L:11628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:695 after pos.:0
L:11646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:696 after pos.:0
L:11664 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:697 after pos.:0
L:11682 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:698 after pos.:0
L:11700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:699 after pos.:0
L:11718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:700 after pos.:0
L:11736 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:701 after pos.:0
L:11754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:702 after pos.:0
L:11772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:703 after pos.:0
L:11790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:704 after pos.:0
L:11808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:705 after pos.:0
L:11826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:706 after pos.:0
L:11844 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:707 after pos.:0
L:11862 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:708 after pos.:0
L:11925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:709 after pos.:0
L:11973 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:710 after pos.:0
L:12026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:711 after pos.:0
L:12084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:712 after pos.:0
L:12127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:713 after pos.:0
L:12170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:714 after pos.:0
L:12218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:715 after pos.:0
L:12281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:716 after pos.:0
L:12339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:717 after pos.:0
L:12377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:718 after pos.:0
L:12425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:719 after pos.:0
L:12473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:720 after pos.:0
L:12506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:721 after pos.:0
L:12544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:722 after pos.:0
L:12587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:723 after pos.:0
L:12640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:724 after pos.:0
L:12738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:725 after pos.:0
L:12801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:726 after pos.:0
L:12879 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:727 after pos.:0
L:12962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:728 after pos.:0
L:13015 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:729 after pos.:0
L:13073 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:730 after pos.:0
L:13141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:731 after pos.:0
L:13234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:732 after pos.:0
L:13327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:733 after pos.:0
L:13385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:734 after pos.:0
L:13458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:735 after pos.:0
L:13541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:736 after pos.:0
L:13589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:737 after pos.:0
L:13642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:738 after pos.:0
L:13705 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:739 after pos.:0
L:13793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:740 after pos.:0
```

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Input Set : **E:\04-423-B sequence listing.txt**
Output Set: **N:\CRF4\05032006\J576752.raw**

```
L:13891 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:741 after pos.:0
L:13954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:742 after pos.:0
L:14032 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:743 after pos.:0
L:14115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:744 after pos.:0
L:14168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:745 after pos.:0
L:14226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:746 after pos.:0
L:14294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:747 after pos.:0
L:14387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:748 after pos.:0
L:14475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:749 after pos.:0
L:14533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:750 after pos.:0
L:14606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:751 after pos.:0
L:14684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:752 after pos.:0
L:14732 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:753 after pos.:0
L:14785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:754 after pos.:0
L:14848 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:755 after pos.:0
L:14936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:756 after pos.:0
L:14964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:757 after pos.:0
L:14992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:758 after pos.:0
L:15020 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:759 after pos.:0
L:15048 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:760 after pos.:0
L:15076 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:761 after pos.:0
L:15104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:762 after pos.:0
L:15132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:763 after pos.:0
L:15160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:764 after pos.:0
L:15183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:765 after pos.:0
L:15206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:766 after pos.:0
L:15229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:767 after pos.:0
L:15252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:768 after pos.:0
L:15275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:769 after pos.:0
L:15298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:770 after pos.:0
L:15321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:771 after pos.:0
L:15344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:772 after pos.:0
L:15437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:773 after pos.:0
L:15495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:774 after pos.:0
L:15568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:775 after pos.:0
L:15646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:776 after pos.:0
L:15694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:777 after pos.:0
L:15747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:778 after pos.:0
L:15810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:779 after pos.:0
L:15898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:780 after pos.:0
L:15921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:781 after pos.:0
L:15944 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:782 after pos.:0
L:15967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:783 after pos.:0
L:15990 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:784 after pos.:0
L:16013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:785 after pos.:0
L:16036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:786 after pos.:0
L:16059 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:787 after pos.:0
L:16082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:788 after pos.:0
L:16111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:789 after pos.:0
```

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Input Set : **E:\04-423-B sequence listing.txt**
Output Set: **N:\CRF4\05032006\J576752.raw**

```
L:16139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:790 after pos.:0
L:16167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:791 after pos.:0
L:16201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:792 after pos.:0
L:16236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:793 after pos.:0
L:16270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:794 after pos.:0
L:16305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:795 after pos.:0
L:16340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:796 after pos.:0
L:16374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:797 after pos.:0
L:16403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:798 after pos.:0
L:16431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:799 after pos.:0
L:16503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:800 after pos.:0
L:16581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:801 after pos.:0
L:16635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:802 after pos.:0
L:16688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:803 after pos.:0
L:16767 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:804 after pos.:0
L:16821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:805 after pos.:0
L:16899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:806 after pos.:0
L:16952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:810 after pos.:0
```